

ZAWISTOWSKI, J.

Light movable scaffoldings for finishing work in high halls, p. 61. (PRZEGLAD  
BUDOWLANY, Warszawa, Vol. 27, no. 2, Feb. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, Jun. 1955,  
Uncl.

ZAWISTOWSKI, J.

Plates made of wood shavings.

P. 331. (MATERIALY BUDOWLANE) (Warszawa, Poland) Vol. 12, no. 11, Nov. 1957

SC: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

ZAWISTOWSKI, J.

"The Role Of A Supervisor In House Construction" p. 53. (Przeglad Budowlany, Vol. 25, no. 2, Feb. 1953, Warszawa)

East European Vol. 3, NO. 2,

SO: Monthly List of Accessions, Library of Congress, February, 1954 365x, Uncl.

PJA

438 361 : 687.1

1101

Zawiszkowski M. Belt Production System in the Clothing Industry  
Sewing Shops.

"Produkcja taśmowa w szwalniach przemysłu odzieżowego".  
Ekonomika i Organizacja Pracy, No. 3, 1951, pp. 121-127.

The author draws attention to the advantages of the continuous system in the mass production of clothing and deals with the individual stages of planning distribution along the conveying belt. Distribution of sewing processes among teams and in accordance with processes; preparation of implements and workshop services for measuring time taken over work; achievement and computation of time study results; working out a proper design for the conveying belt; checking the plan for accuracy.

ZAWISTOWSKI, M.; KEPA, J.

Concerning the import of agricultural machinery. p. 3.

(ROLNIK SPOLDZIELCA. Vol. 9, l.e.10.7 No. 31. Aug. 1957, Warszawa, Poland.)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 10, October 1957. Uncl.

ZAWISZAKI, H.

The lowest theoretical consumption of fuel for firing line with  
reference to the temperature of the line. p. 46

CHENT, WAFIC, GIPS. vol. 10, no. 3, Mar. 1954

Poland

so. EAST ASIAN RECORDS LIST vol. 5, no. 10 Oct. 1956

HERVY, Tatiana; MOZOLEWSKI, Erwin; PRZYMANOWSKI, Zbigniew; ZAWISTOWSKI,  
Stanislaw; ZEGARSKA, Zofia; ZYGMUNTOWICZ, Zofia.

Antibiotics and corticoids in the treatment of acute esophageal  
burns. Pol. tyg. lek. 20 no.5:163-166 1 F'65.

1. Z Kliniki Otolaryngologicznej Akademii Medycznej w Gdansku  
(prof. dr. med. J. Iwaszkiewicz) i z Zakladu Histologii i  
Embriologii Akademii Medycznej w Gdansku (kierownik: prof. dr.  
med. St. Hiller).

HILLER, S., prof. dr; KEDZIA, H.; KOZLOWSKA, K.; ZAWISTOWSKI, S.

Critical evaluation of the effect of various narcotics used  
for anesthesia of laboratory animals on the histochemical picture  
of the liver of rats. Folia morphol 22 no. 2:169-181 '63.

1. Zaklad Histologii i Embriologii, Akademia Medyczna,  
Gdansk. Kierownik: prof. dr S. Hiller.

BLAWAT, Franciszek; ZAWISTOWSKI, Stanislaw; KOWALSKA, Zyta.

Cytochemical studies of vaccinia-virus-infected cells.

I. Activity of some enzymes in vaccinia-virus-infected FL  
cells of the human amnion. Bull. inst. mar.med. Gdansk 15  
no.1:5-13 '64

Cytochemical studies on the activity of succinic dehydro-  
genase in poliovirus-infected HeLa and FL cells. Ibid. 15:21

1. From the Institute of Marine Medicine in Gdansk and the  
Department of Histology and Embryology, Medical Academy in  
Gdansk.

\*

ZAWISTOWSKA, Helena; ZAWISTOWSKI, Stanislaw

Histotopochemical studies on the thyroid gland of white rats.  
Pt. 1. Folia morphol 22 no. 2:183-194 '63.

1. Zaklad Histologii i Embriologii, Akademia Medyczna,  
Gdansk. Kierownik: prof. dr med. S. Hiller.

ZAWISTOWSKI, Stanislaw

ZAWISTOWSKI, Stanislaw

Role of the Golgi apparatus in excretory processes of the kidney  
during diuresis and its relation to alkaline phosphatase. Fol.  
morph., Warsz. 5 no.2:115-128 1954.

1. Z Zakladu-Histologii i Embriologii Akademii Medycznej w Gdansku.  
Kierownik: prof. dr S.Hiller.

(CELLS,

Golgi appar., role in diuresis & eff. of alkaline  
phosphatase on)

(KIDNEYS, anatomy and histology,

Golgi appar., role in diuresis & eff. of alkaline  
phosphatase on)

(DIURESIS, physiology,

role of Golgi appar., eff. of alkaline phosphatase)

(PHOSPHATASES,

alkaline, eff. on Golgi appar. in kidneys)

ZAWISTOWSKI, Stanislaw

Cytochemical study on some enzymes in parathyroid glands of rats  
under various experimental conditions. Cs morfologie 10 no.2:205-212  
'62.

1. Ustav histologie a embryologie Lekarske akademie, Gdansk.

\*

ZAWISTOWSKI, Stanislav

Topochemistry of alkaline phosphatase and nonspecific esterase in  
the adrenal gland of rat embryos. Cs morfologi 8 no.2:134-138 '60.  
(EEAI 9:8)

1. Embryologicky ustav lekarske fakulty Karlovy university, Prague.  
Prednosta prof. Dr. Zdenek Frankenberger, and Ustav histologicko  
embryologicky lekarske akademie, Odynia. Prednosta prof. Dr. St.  
Hiller)

(PHOSPHATASES) (ESTERASES) (ADRENAL GLANDS)  
(EMBRYOLOGY)

ZAWISTOWSKI, Stanislaw

Morphology, physiology, and physico-chemical properties of the  
Golgy's apparatus. Postepy wiedzy med. 3; no.3:227-258 July-Sept  
56.

l. Z Zakladu Histologii i Embriologii A.M. w Gdansku, Kier.  
prof. dr. St. Hiller.

(CELLS,

Golgy's appar., review (Pol))

Zawisza, Andrzej

POLAND/Analytic Chemistry - General Topics:

E-1

Abs Jour : Ref Zhur - Khimiya, No 10, 1958, 32148

Author : Andrzej Zawisza

Inst : On the Chromatographic Method of Gas Analysis and Its Application in the Industry.

Orig Pub : Koks, smola, gaz, 1957, 2, No 4, 157-165

Abstract : The principles, methods and apparatus of the chromatographic analysis of gases of organic and inorganic origin are described. The possibility of chromatographic analysis of industrial gases (coke oven gas, blast furnace gas, etc.) is discussed.

Card 1/1

ZAWISZA, A.

TECHNOLOGY

PERIODICAL: KOKS, SMOLA, GAZ., Vol.2, no. 4, July/Aug. 1957.

ZAWISZA, A.: The chromatographic method of gas analysis and its industrial applications.  
p. 157.

Monthly List of East European Acquisitions (EEAI) LC Vol. 8, No. 4  
April, 1959, Unclass.

ZAWISZA, A. C.

Application of the corresponding states law to azeotropes. I. Boiling temperature and composition of binary azeotropes. II. Vapour and liquid volumes of binary azeotropes. III. Influence of the critical parameters of the mixture on the azeotrope formation. Bul chim PAN 8 no.6: 313-329 '60. (EEAI 10:9/10)

1. Institute of Physical Chemistry, Polish Academy of Sciences.  
Presented by W. Swietoslawski.

(Azeotropes)

ZAWISZA, A. C.

Change of azeotropic parameters with pressure. II. Coefficients  
 $dT/dP$  and  $dx/dP$  of azeotropic mixtures. Bul chim PAN 9 no.3:  
147-150 '61.

I. Institute of Physical Chemistry, Polish Academy of Sciences and  
Department of Physical Chemistry, University, Warsaw. Presented by  
W. Swietoslawski.

(Azeotropes) (Temperature) (Mixtures)

ZAWISZA, A. C. ✓

SURNAME (in caps); Given Names

Country: Poland

Academic Degrees: Not stated

Affiliation: Institute of Physical Chemistry, Polish Academy of Sciences (Instytut Chemii Fizycznej, PAN) and Department of Physical Chemistry, Warsaw University (Zakład Chemii Fizycznej, Uniwersytet, Warszawa)

Source: Warsaw, Bulletin de l'Academie Polonaise des Sciences, Série des Sciences Chimiques, Vol 9, No 3, Mar 61, pp 141-145.

Data: "Change of Azeotropic Parameters with Temperature.  
I. Azeotropic Ranges."

ZAWISZA, A. C.

SURNAME (in caps); Given Names

Country: Poland

Academic Degree: Not stated

Affiliation: Institute of Physical Chemistry, Polish Academy  
Sciences (Instytut Chemii Fizycznej, PAN) and  
Department of Physical Chemistry, Warsaw University  
(Zakład Chemii Fizycznej, Uniwersytet, Warszawa)

Source: Warsaw, Bulletin de l'Académie Polonaise des Sciences,  
Série des Sciences Chimiques, Vol 9, No 3, Mar 61,  
pp 147-150.

Data: "Change of Azeotropic Parameters with Pressure. II.  
Coefficients  $dT/dP$  and  $dx/dP$  of Azeotropic Mixtures."

ZAWISZA, A. L.

POLAND/Physical Chemistry. Thermodynamics. Thermochemistry.  
Equilibria. Physical-Chemical Analysis. Phase  
Transitions.

B

Abs Jour: Ref Zhur-p Khimiya, No 22, 1958, 73271.

Author : A.C. Zawisza.

Inst : Academy of Sciences of Poland.

Title : Critical Temperature Curves of Mixtures of Water With  
Iso-Alcohols.

Orig Pub: Bull. Acad. polon. sci. Ser. sci. chim. geol. et  
geogr., 1958, 6, No 1, 71-73, V.

Abstract: The curves of critical temperatures ( $T_c$ ) of binary  
mixtures of  $H_2O$  (I) with iso-C<sub>4</sub>H<sub>9</sub>OH (II) and  
iso-C<sub>4</sub>H<sub>9</sub>OH (III) were determined by the opalescence  
maximum of the liquids. Minima were found on the  
curves  $T_c$  - composition at 297.7° and 51 ± 2 mol.

Card : 1/2

POLAND/Physical Chemistry. Thermodynamics. Thermochemistry. B  
Equilibria. Physical-Chemical Analysis. Phase  
Transitions.

Abs Jour: Ref Zhur-Khimya, No 22, 1953, 73271.

% of I for the system I - II and at 276.3° and  
15 + 2 mol. % of I for the system I - III. The  
azeotropic limit of the system I - III computed  
based on the  $T_c$  curve is twice as great as that  
computed by Malesinski equation (RZhKhim, 1957, 7454)  
for the isobar of 2.666 atm.

Card : 2/2

ZAWISZA, A. C.

Change of azeotropic parameters with temperature. I. Azeotropic ranges.  
Bul chim PAN 9 no. 3:141-145 '61.

I. Institute of Physical Chemistry, Polish Academy of Sciences and  
Department of Physical Chemistry, University, Warsaw. Presented by  
W. Swietoslawski.

(Azeotropes) (Temperature)

p/034/63/000/001/002/002  
D201/D308

AUTHORS:

Sztukowski, Zbigniew, Engineer and Kowaleza, Franciszek, Master of Engineering

TITLE:

A universal unit construction system USB-60

PERIODICAL:

Pomiary. Automatyka. Kontrola, no. 1, 1963, 8-11

TEXT:  
The authors describe shortly the unit construction control system USB-60 developed at the Zaklady Automatyki Przemyslowej (Industrial Automation Plant) at Ostrów, operating in continuous mode with a d.c. normalized signal 20 to 100 mA in the measuring sections and with a symmetrical  $\pm 25$  mA signal in the output sections (hydraulic or pneumatic). The system is an electro-hydraulic one. Its characteristics are as follows: supply voltage 220 v, 50 c/s,  $-10\% + 5\%$ , time constants of separate units 0.1 to 0.25 sec; error 1%; measurement hysteresis 0.5 to 1%. The USB-60 has two types of transducers: type EK-7 and EK-7p in conjunction with type EW-1 amplifiers for converting non-electrical signals and type MK-12 for electrical signal sources. The summing unit is of type EK-8, max. 4 d.c.

Card 1/2

A universal unit construction ...

P/034/65/000/001/002/002  
D201/D308

and 2 a.c. input signals. Two types of power amplifiers are envisaged: electron-tube type EW-2 and transistorized magnetic amplifier EW-3 40 W output with 50 W overload. The latter controls the Perraris motor, driving the output stage. Settings are by means of remotely (selsyn) controlled potentiometers EU-32 or EU-33. Specialized equipment such as EK-15 signal channelling equipment or EK-11 differentiator can be added if required. Special units (for programming, extremum, etc.) are to go into production in 1963-1965. There are 9 figures.

ASSOCIATION: Zakłady Automatyki Przemysłowej, Ostrów (Industrial Automation Plant, Ostrów)

Card 2/2

SZTUKOWSKI, Zbigniew, inz.; ZAWISZA, Franciszek, mgr inz.

USB-60 versatile automatic control system. Pomiary 9  
no.1:8-11 Ja '63.

1. Zaklady Automatyki Przemyslowej, Ostrow Wielkopolski.

P/044/60/000/012/002/006  
A107/A126

AUTHOR: Zawisza, J., Major, Master of Engineering  
TITLE: Low-density aircraft fuel  
PERIODICAL: Wojskowy Przeglad Lotniczy, no. 12, 1960, 32-33

TEXT: This article is an abridged translation of the article "Jet Fuels" by Rogozin, published in 1959 at Moscow. The author deals with a new low-density jet fuel produced in Poland. Fuels produced in the USSR, USA, England, France and Poland are compared as to their type and density of g/cm<sup>3</sup> at 20°C. The Polish P-3 fuel corresponds to the Soviet T-2 fuel, while its chemical properties are closer to the Soviet Ts-1 fuel. The quality of conventional jets at various temperatures. The P-3 fuel permits a smooth operation of jet engines for the use of P-3 fuel showed some difficulties. Because paraffinous petroleum or that with a high content of hydrocarbons are not suit-

Card 1/2

Low-density aircraft fuel

P/044/60/000/012/002/006  
A107/A126

able for production of low-density fuels, P-3 fuel should be produced from a special type of petroleum. There is 1 table.

Card 2/2

ZAVISZA, J., Hackiel, T.

Principles of economic management of fishponds in the light of the research  
by the Institute of Inland Fisheries. p. 403.  
(POLSKIE ARCHIWUM HYDROLOGII. Vol. 3, 1956, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEL) I.C. Vol. 6, no.12, Dec. 1957.  
Uncl.

SPERSKI, Boleslaw; ZAVISZA, Jan

Use of natural gas in industry and in the gas for general  
use. Koks 9 no. 1: 1F-23 Ja-F '64.

KUCZYNSKI, L.; ZAWISZA, T.

Isolation of alkaloids from domestic ergot. Acta Poloniae pharm.  
11 Suppl.:85-89 1955.

1. Zaklad Technologii Chemicznej Srodowisk Leczniczych, A.M. we  
Wroclawiu.

(ERGOT ALKALOIDS, preparation of,  
isolation technic)

ZAWISZA, L.; JASINSKI, F.; MORAWIEC, J.

Remarks on new rates for electric power for industry; also, discussion by  
W. Bohosiewicz. p. 164

ENERGETYKA (Ministerstwo Gornictwa i Energetyki oraz Stowarzyszenie Elektryków  
Polskich) Bytom, Poland. Vol. 13, no. 6, June 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 9, September 1959  
Uncl.

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964020011-7

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964020011-7"

MANSKI, Wladyslaw; ZAWISZA, Wanda

Cytotoxic properties and structure of sulfapyridine compounds. Med.  
dosw. mikrob. 10 no.3:377-383 1958.

1. Z Instytutu Immunologii i Terapii Doswiadczalnej im. Ludwika  
Hirschfelda.

(CYTOXIC DRUGS,  
sulfapyridines (Pol))

(SULFONAMIDES,  
sulfapyridines, cytotoxic eff. & structure (Pol))

ZAWISZA, Wanda

Carbohydrate metabolism of the leukocytes. Postepy hig.med.dosw  
14 no.4:405-412 '60.

1. Z Zakladu Mikrobiologii i z Zakladu Biochemii Instytutu Matki  
i Dziecka w Warszawie Dyrektor: prof. dr F.Groer.  
(BLOOD SUGAR)  
(LEUKOCYTES metab)

AKHIEZER-ZEMELJINSKI, Wanda  
BORN 1915 (in cage); Given names

Country: Poland

Academic Degrees:

Dept of Microbiology and Immunology, Dept of Biochemistry,  
Affiliation: Mother and Child Institute (Szkoła Mikrobiologii i Immunologii,  
Zakład Biochemii Instytutu Matki i Dziecka), Warsaw  
Source: Warsaw, Archiwum Immunologii i Terapii Doświadczalnej, No 1  
1961, pp 91-103

Data: "Studies on the Glycogen Level in Leukocytes Surviving In Vitro."  
I. "Effect of Incubation Time and Temperature."

ROBERTA-DZIECKA, Menda  
Wojciech (in code); Given Name

Country: Poland

Academic Degrees:

Dept of Microbiology and Immunology, Inst of Biochemistry,  
affiliation: Mother and Child Institute (Zaklad Kobiety i Dziecka) Warsaw.  
Address: Zaklad Biologii i Immunologii Parazytow Dziedziczenia, No 1,  
Year: 1961, pp 105-110

Data: "Studies on the Glycogen Level in Leucocytes Surviving in Water."  
II. Influence of Some Chemical Factors."

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964020011-7

ZAWISZANEA, Zofia

Kazimiera Odrzywolski (1860-1900). Wiad naft 11 [ i.e. 9]  
no. 3:71-72 Mr '63.

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964020011-7"

ZAWITNIEWICZ, Alojzy, mgr. ins.

Mechanization of welding thin steel sheets. Przegl spaw 14  
no.7:169-174 Jl '62.

1. Instytut Spawalnictwa, Gliwice.

ZAWITNIEWICZ, J.

"Standardization in the Nonferrous Metals Industry," P. 199. (WIADOSCI,  
Vol. 22, No. 4, Apr. 1954. Warszawa, Poland)

SO: Monthly List of East European Accessions, (MEAL), LC, Vol. 4,  
No. 1, Jan. 1955 Uncl.

ZAWLOCKA, WŁADYSŁAWA

Portland/Chemical Technology - Chemical Products and Their Application. Silicates.  
Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62240

Author: Zawlocka, Wladyslawa

Institution: None

Title: Colorimetric Determination of SiO<sub>2</sub> in Cement

Original

Periodical: Kolorometryczne oznaczenia SiO<sub>2</sub> w cementie. Cement, Wapno, Gips.,  
1954, 19, No 6, 137-141; Polish

Abstract: The method of determining SiO<sub>2</sub> in alumina-cement consist in combining the SiO<sub>2</sub> in the form of the yellow complex  $\text{Hg}_2\text{Si}(\text{Mo}_2\text{O}_7)_6\text{J}\cdot\text{H}_2\text{O}$ , by means of a mixture of soda and borax (1:1) and 1% solution H<sub>2</sub>SO<sub>4</sub>, after which a photometric determination is made, against a standard, of the intensity of the yellow coloration. The method is suitable for determination of silica in Portland cement, in which case there is added to the sample, prior to photometric determination, 10% solutions of tartaric acid and ammonium molybdate. Mean error in a

Card 1/2

Poland/Chemical Technology - Chemical Products and Their Application. Silicates.  
Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62240

Abstract: series of determinations does not exceed 0.15% and can be decreased.  
There is presented a curve showing the decrease in color intensity  
depending on the silica content.

Card 2/2

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CIA-RDP86-00513R001964020011-7

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964020011-7"

ZAWCZONKOW, N.; SARKIZOW-SERAZINI, J.; SZACHOW, A.

"3 Statements About Tourism", P. 14, (TERYSTA, No. 9, September 1954, Warsaw,  
Poland)

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 4, No. 3,  
March 1955, Uncl.

KRZYSZKOWSKA, Anna; BEDNARSKI, Zenobiusz; ZAWORSKI, Czeslaw

Intradermal BCG vaccination of newborn infants by a 2-puncture method. Gruzlica 29 no.2:181-186 F '61.

1. Z Działu Matodyczno-Organizacyjnego Instytutu Gruźlicy Kierownik doc. dr O. Buraczewski Dyrektor prof. dr W. Jaroszewicz i z Wojewódzkiej Przychodni Przeciwgruzliczej w Olsztynie Dyrektor dr M. Bien.

(BCG VACCINATION) (INFANT NEWBORN)

ZAWROCKA-WRZOLEK, Teresa.  
MALECKA-DYMICKA, Stanisława; ZAWROCKA-WRZOLEK, Teresa

Rhabdomyosarcome of the left auricle of the heart. Polskie arch.  
med.wewn. 25 no.5:987-994 1955

1. Z II Kliniki Chorob Wewnętrznych A.M. w Gdansku. Kierownik:  
prof. dr med. S. Wszelaki i z Zakładu Anatomii Patologicznej A.M.  
w Gdansku. Kierownik: prof. dr med. W. Czarnocki.

(RHABDOMYOSARCOMA,  
heart)

(HEART, neoplasms,  
rhabdomyosarcoma)

MOSZEW, J.; INASINSKI, A.; KUBICZEK, K.; ZAWRZYKRAJ, J.

Addition reactions in the group of Schiff's bases. Addition of iso-thiocyan acid esters. I. Bul chim PAN 8 no.8:405-408 '60.  
(EEAI 10:9/10)

I. Katedra Chemii Organicznej, Uniwersytet Jagiellonski, Krakow;  
Pracownia Nr. 6. Instytut Syntezy Organicznej, PAN. Presented by  
T. Urbanski.

(Chemical reaction) (Schiff bases) (Thiocyanic acid)  
(Isomers) (Esters)

MOSZEW, Jan; INASINSKI, Antoni; KUBICZEK, Karol; ZAWRZYKAJ, Jerzy

Addition reactions in Schiff's bases. I. Addition of the esters of  
isothiocyanic acid. Rocznik chemii 34 no.3/4; 1169-1172 '60. (EPAI 10:3)

1. Katedra Chemii Organicznej Uniwersytetu Jagiellońskiego,  
Kraków i Pracownia Nr 6 Zakładu Zintez Organicznej Polskiej  
Akademii Nauk, Kraków.  
(Esters) (Isothiocyanic acid) (Schiff bases)

MOSZEW, J.; ZAWRZYKRAJ, J.

The activity of methyl groups in the derivatives of benzoylacidic amide. Bul chim PAN 12 no.8:517-520 '64.

1. Department of Organic Chemistry of Jagiellonian University, Krakow, and Laboratory No.6 of the Institute of Organic Synthesis of the Polish Academy of Sciences. Submitted April 8, 1964.

MOŚZEW, Jan; ZAWRZYKRAJ, Jerzy

Activity of the methylene group in derivatives of benzoylacetic amide. Praca chem Krakow no.9:57-67 - 164.

1. Department of Organic Chemistry of Jagiellonian University,  
Krakow. Submitted October 1, 1962.

MOSZEW, Jan; ZAWRZYKRAJ, Jerzy

New sulfonic compounds of naphthalene series. Rocznik chemii 34 no.5:  
1465-1469 '60. (EEAI 10:9)

1. Katedra Chemii Organicznej Uniwersytetu Jagiellońskiego, Krakow.

(Naphthalene) (Sulfonic group)

ZAKRZEWSKI, S.

The production of silicon wire for welding and soldering. p. 265  
Zaklocut, an economical alloy for borating. "Miletyk" p. 29

RUTNIK - vol. 21, no. 8, Aug. 1954

Poland

so. EAST EUROPEAN ACCESSORIES LIST vol. 5, no. 10 Oct. 1956

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964020011-7

POLTEVA, Yu.K.; PODVORCHANNAYA, N.I.; ZAYAGINTSEVA, S.G.; SHIRVINDT, B.G.

Dry dietetic sour milk. Pediatriia 38 no.10:81-82 0 '60.

(MIRA 13:11)

(MILK, DURED)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964020011-7"

ZAYAKIN, B.I.; BIGEYEV, A.M.; UZIYENKO, A.M.; Prinimali uchastiye:  
TKACHENKO, I.A., inzh.; RABINOVICH, Ye.I., kand.tekhn.nauk;  
IVANOVA, N.G., inzh.; BIGTAGIROV, K.K., inzh.

Sulfur liquation in large rimmed steel ingots. Izv. vys. ucheb.  
zav.; chern. met. 5 no.7:62-70 '62. (MIRA 15:8)

1. Magnitogorskiy metallurgicheskiy kombinat i Magnitogorskiy  
gornometallurgicheskiy institut.  
(Steel ingots--Sulfur content)

UZIYENKO, A.M., inzh.; TKACHENKO, I.A., inzh.; VARSHAVSKIY, P., inzh.;  
RABINOVICH, Ye.I., kand.tekhn.nauk; ZAYAKIN, B.I., inzh.;  
ZARZHITSKAYA, N.G., inzh.

Improving the structure of the head part in rimmed steel ingots  
(with summary in English). Stal' 18 no.10:899-905 O '58.

(MIRA 11:11)

1. Magnitogorskiy metallurgicheskiy kombinat.  
(Steel ingots) (Steel--Metallurgy)

ZAYAKIN, B. I.

SOV/133-58-10-11/31

AUTHORS: Uziyenko, A.M., Tkachenko, I.A., Varshavskiy, A.P.,  
Engineers and Rabinovich, Ye.I., Candidate of Technical  
Sciences, Zayakin, B.I., Zarzhitskaya, N.G., Engineers

TITLE: Improvement in the Structure of the Top Part of Rimmed Steel Ingots  
(Uluchsheniye struktury golovnoy chasti slitka kipyashchey  
stali)

PERIODICAL: Stal', 1958, Nr 10, pp 899 - 905 (USSR)

ABSTRACT: A study of the mechanism of formation of the microstructure  
of the head part of rimming steel ingots and an investi-  
gation of methods of decreasing the height of the concen-  
trated segregation zone are described. The influence of  
the following factors on the structure of ingots was  
studied: a) the duration of boiling of the metal in ingot  
moulds; b) addition to moulds of fluxes, and c)  
additions onto the top of the metal in the moulds of  
various deoxidants. Investigations were carried out on  
heats of steels 08kp, St1, St2 and St3, chemical com-  
positions of which are given in the table. The influence  
of the duration of boiling of the metal in moulds on the  
distribution of carbon (A), sulphur (B) and phosphorus (V)  
along the ingot axis is shown in Figure 2 - that on the  
indices of mechanical properties (yield point, tensile

Card1/4

SOV/133-58-10-11/31

Improvement in the Structure of the Top Part of Rimmed Steel Ingots

strength and relative elongation) of metal from the head part of the ingots of St3kp steel in Figure 3 and the influence of the duration of boiling with and without the use of deoxidants on the distribution of carbon, sulphur and phosphorus in the axial zone along the height of ingots of St3 steel .. shown in Figure 4, changes of mechanical properties of metal from the axial zone along the height of ingots and of rolled plate (with various boiling times and with the application of deoxidants) are shown in Figures 5 and 6, respectively. Variation in the distribution of non-metallic inclusions ( $\text{SiO}_2$ ,  $\text{MnO}$  and  $\text{MnS}$ ) in the axial zone along the height of ingots of St3kp steel, with various boiling times and with the application of deoxidants are shown in Figure 7. It was found that in order to obtain dense structure of the top part of ingots of steels with low and higher carbon contents, different methods are necessary. An increase of the duration of boiling in ingot moulds and an addition of fluxes on the surface of metal decrease the depth of the position of axial porosity but improve the distribution of segregating elements and plastic properties of the

Card2/4

SOV/133-58-10-11/31

Improvement in the Structure of the Top Part of Rimmed Steel Ingots

The structure of the head part of the ingots of the axial zone of the head part of low-carbon steels 08kp, St1 and St 2. On prolonged boiling of St3 steel, the structure of the head part of ingots improves but simultaneously its external state deteriorates. The use of deoxidants, e.g. 4% ferrosilicon (0.15 - 0.2 kg/t steel) gives in this case satisfactory results. Ingots deoxidised with ferrosilicon possess dense structure and increased plasticity in the head part. During rolling sheets, no laminations are formed. The use of a prolonged boiling and additions of microgranite for low-carbon rimming steel and killing of St3 steel with ferrosilicon permits decreasing standard crop head of ingots by 3-5% without decreasing the quality of the metal in the top part of ingots. There are 7 figures, 1 table and 3 Soviet references.

Card 3/4

SOV/133-58-10-11/31

Improvement in the Structure of the Top Part of Rimmed Steel Ingots

It is stated in the editorial note that the above findings should be additionally confirmed by experiments on a large scale.

ASSOCIATION: Magnitogorskiy metallurgicheskiy kombinat  
(Magnitogorsk Metallurgical Combine)

Card 4/4

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S. A. Matyukhin, Engineers

"Gidrotekh Stroi" No 12, pp 11-14

Discusses possibility of using sheet  
piles for protection of hydraulic works,  
instead of erection of protective dike.  
Describes a case of application of such  
a method, which brings concrete works to  
a min.

200T94

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964020011-7

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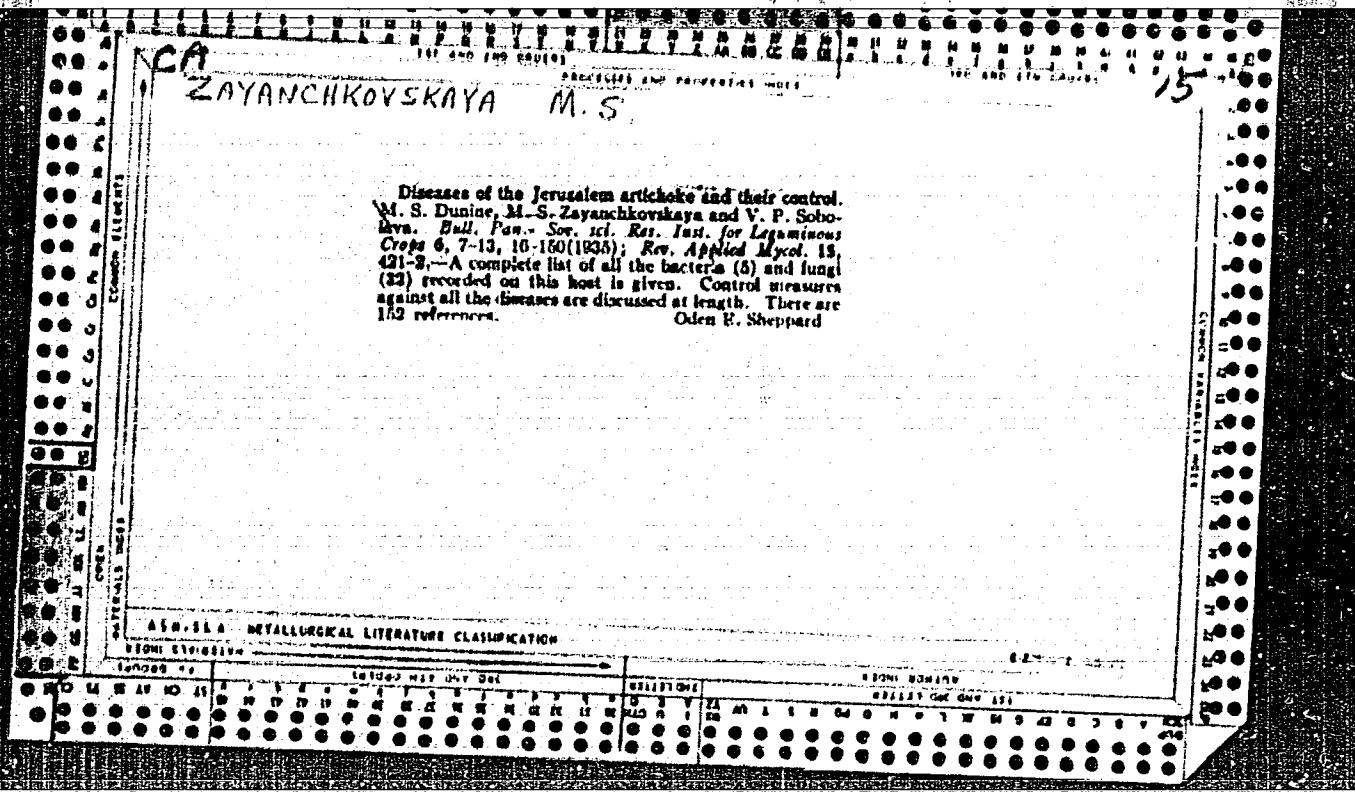
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"APPROVED FOR RELEASE: 03/15/2001

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Correct spelling ZAYANCHOVSKIY - see Letopis' Zhurnal'nykh Statoy No. 36, 1949,  
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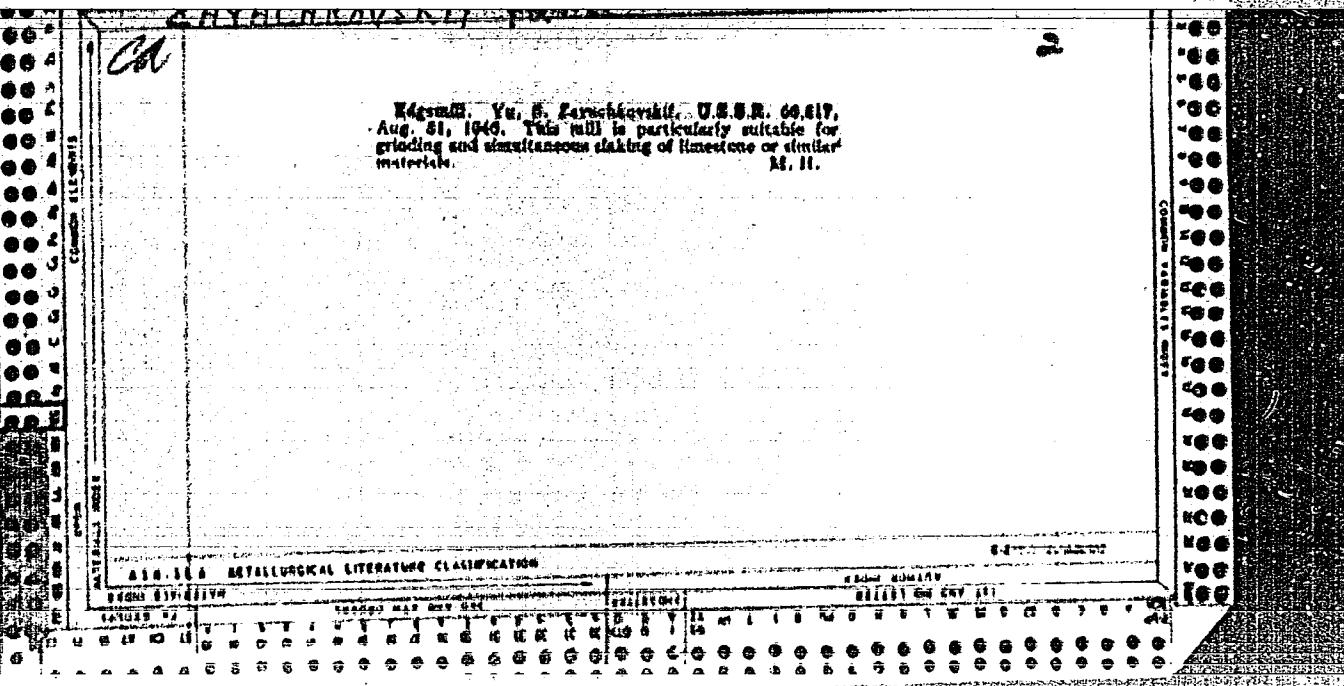
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Abs Jour: Ref Zhur-Biol., No 17, 1958, 78726.

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Inst :

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Orig Pub: Zhivotnovodstvo, 1958, No 1, 49-52.

Abstract: It is recommended that cows with a milk yield  
of up to 4000 kg a year be mated at the end of  
the first month after calving, i.e. during the  
first estrus and heat.

Card : 1/1

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